

REMARKS

In response to the Official Action dated 2/11/2005, the above-identified application has been amended. Review and reconsideration are requested in view of the above amendments and following remarks.

Claim 17 was objected to as having a typo. Applicant has amended the claim accordingly and believes the claim now overcomes the objection thereto. Withdrawal of the objection is therefore respectfully requested.

Claims 4 and 18 were rejected as indefinite under 35 U.S.C. 112, second paragraph. The objected to language has been removed. Withdrawal of the rejection is therefore respectfully requested.

The Examiner rejected claims 1-7, 9-16 and 18 under 35 U.S.C. § 102 as anticipated by Johnson. The examiner stated that all the elements are found in Johnson.

The applicants respectfully traverse. Johnson is simply an invention directed to method of broadcasting data to a plurality of other nodes. The invention describes using a multicast broadcast first to send the data, where if unsuccessful, a point to point transmission is subsequently performed to transmit the data.

Johnson is the typical multicast approach which applicants discussed in the present invention. Johnson describes the mechanics of how it transmits information using a multicast paradigm. Further, applicants take issue with the examiner's assertion that "a member", as identified in Col. 1, lines 13-16 of Johnson, equates to registration and authentication of a client computer as defined in the instant invention.

This is simply not the case. In the case Johnson's multicast, any member can go to a multicast and obtain the information for purposes of resynchronization. This is not so with the instant invention. There first must be an authentication session, wherein an open subscription request is made. Then, there must be a multicast address and encryption key delivered to the client computer in order to obtain the multicast data. Johnson does not provide any teaching, suggestion or disclosure of a method or system which "recognizes a replication request by the client computer for a piece of data within the master database from the server computer, wherein the server computer initiates a secure session using an authentication session and initiating a registration authorization process of the client computer wherein the client computer is provided with means for accessing multicast updates of the data, wherein the accessing means includes a multicast address and encryption key.

Claims 8, 17 and 19 were further rejected under 35 U.S.C. 103(a) over Johnson in view of Bhagavath. It was stated that Bhagavath disclosed a multicast approach and the technique of encrypting data. Bhagavath discloses a system for repairing missed packets in a multicast transmission using encryption/decryption techniques.

In the present invention, it is not simply the concept of multicasting of data which is being claimed in the invention nor the encryption of data during a transmission. The instant invention teaches a unique method of securely integrating multicasting of database updates as they occur inside a system where a security paradigm and replication mechanism already exists. The present invention gracefully integrates with the existing replication systems without introducing new operational methods to the replication process. This is accomplished by providing server software which recognizes a replication request by the client computer for a piece of data within the master database from the server computer, wherein the server computer

initiates a secure session with the client computer using an authentication session and initiating a registration authorization process of the client computer wherein the client computer is provided with means for accessing multicast updates of the data, wherein the accessing means includes a multicast address and encryption key. This is not taught, suggested or disclosed by the art.

The invention is not obvious and is patentably distinct over the art. None of art describes such a method or a system which in effect plugs into a database replication system and securely transmits updates within the existing paradigm of the database and this is what is accomplished through the instant invention.

Accordingly, withdrawal of the rejection is respectfully requested and allowance of claims 1-19 is requested at as early a date as possible. This is intended to be complete response to the Official Action dated 2/11/2005

Respectfully submitted,



R. William Graham 33891

Certificate of Mailing

I hereby certify that this correspondence is being mailed to the Mail Stop Patent Applications, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 with sufficient First class postage thereon on the date shown below.

Date. 5.11.2005


